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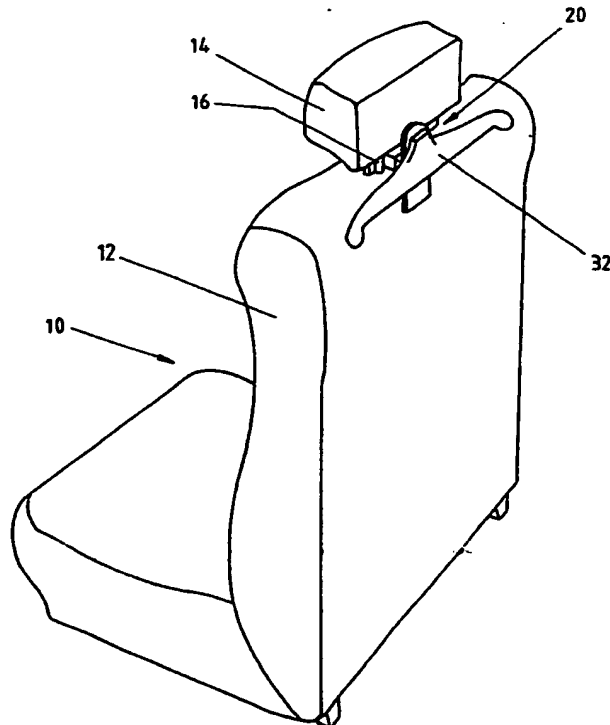
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(21) International Application Number: **PCT/GB90/01958**(22) International Filing Date: **14 December 1990 (14.12.90)**(30) Priority data:
8928329.5 **14 December 1989 (14.12.89)** **GB**(71)(72) Applicant and Inventor: **CARTER, Kwame, Ikem, Andu**
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Business Technology Centre, Senghennydd Road, Cardiff CF2 4AY (GB).(81) Designated States: **AT, AT (European patent), AU, BB, BE**
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tent), US.**Published***With international search report.**Before the expiration of the time limit for amending the
claims and to be republished in the event of the receipt of
amendments.*(54) Title: **COAT HOOK DEVICE**

(57) Abstract

A hook device for hanging a coat or coat hanger in a car or other vehicle, the device being mounted by engagement with the uprights (16) of a head restraint (14) fitted to a seat (10) of the vehicle. The device comprises a T-shaped element (22) for passing between the uprights (16) of the head restraint, with its cross-piece resting against the uprights to the front and its stem projecting to the rear and carrying a hook on which the coat or coat hanger (32) may be hung.

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Coat Hook Device

This invention relates to a hook device for hanging coats etc. in cars or other vehicles.

In the past it has been conventional for cars to be provided with grab handles adjacent the roof, on which it was possible to hang coats etc. However, there has been a growing trend amongst car manufacturers to include factory-fitted sunroofs, so lowering the roofline and thereby making it difficult or impossible to include passenger grab handles. This presents a problem when it is desired to hang coats etc on hangers to the rear of the driver, for there is no convenient device on which a coat or jacket etc. can be hung.

I have now devised an arrangement which enables coats etc. to be hung easily and conveniently in a car or other vehicle to the rear of the driver.

In accordance with this invention, there is provided a hook device for hanging a coat or coat hanger in a car or other vehicle, comprising means for mounting the device by engagement with the uprights of a head restraint fitted to a seat of the car or other vehicle, and a hook on which a coat or coat hanger may be hung.

Preferably the mounting means comprises a T-shaped element for passing between the uprights of the head restraint, with its cross-piece resting against the uprights to the front and its stem projecting to the rear and carrying the hook. Preferably the hook is formed on a member which is slidably engaged with the stem of the T-shaped element.

The hook device is easy to fit and remove yet gives a minimum of interference to the rearward view of the driver.

An embodiment of this invention will now be described by way of example only and with reference to the accompanying drawings in which:

FIGURE 1 is a view of a front seat of a car

provided with a head restraint and a hook device in accordance with this invention;

FIGURE 2 is a view of the hook device in accordance with this invention; and

FIGURE 3 is an exploded view of the hook device of Figure 2.

Referring to Figure 1 of the drawings, there is shown a front seat 10 of a car, the back 12 of this seat being fitted with a head restraint 14. The head restraint has two spaced-apart uprights 16 which slide into two sockets in the top of the back 12 of the seat in the usual way. A hook device 20 in accordance with this invention is fitted to the top of the seat back 12 in engagement with the two uprights or supports 16 of the head restraint.

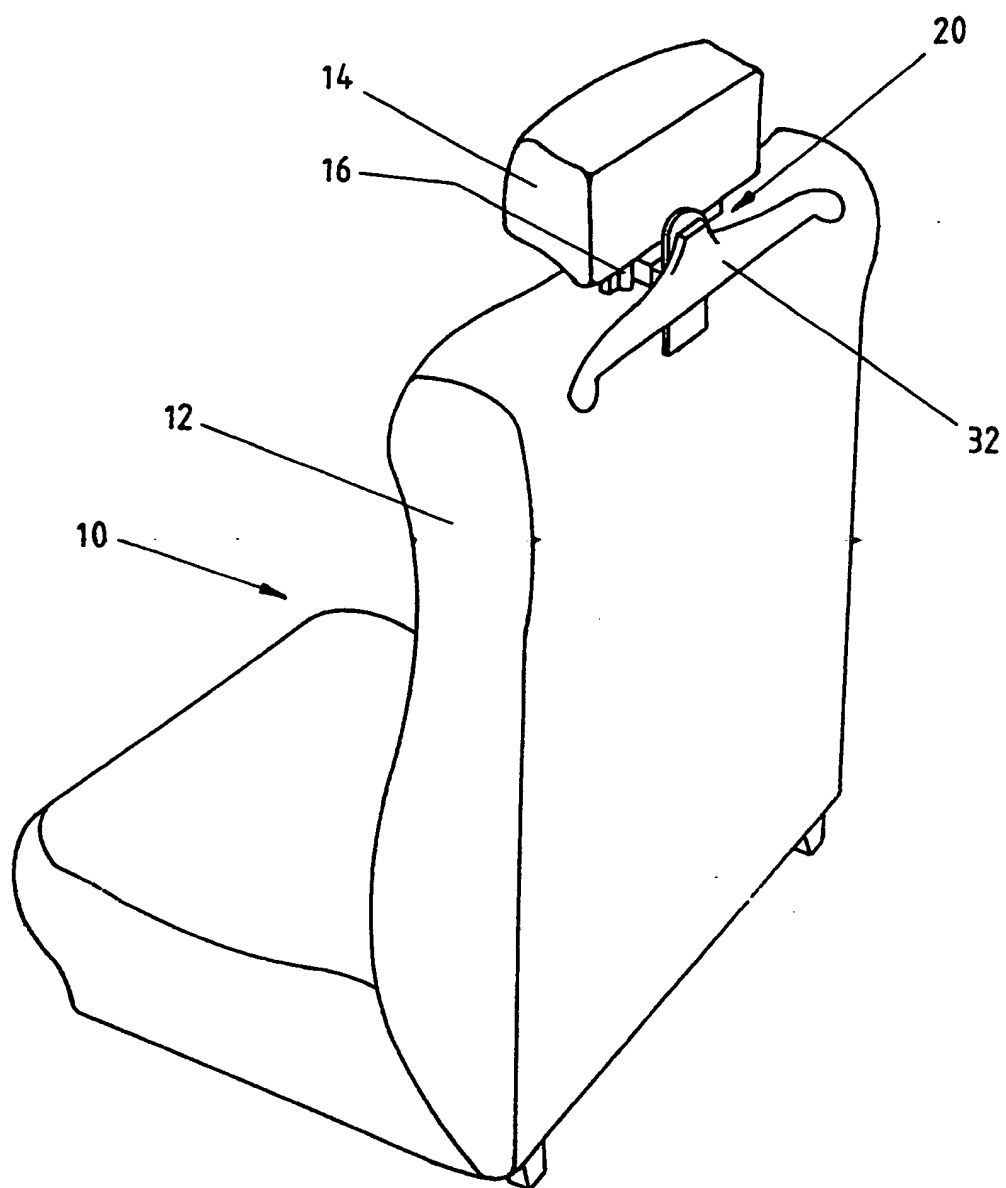
The hook device 20 has a generally T-shaped member 22 the stem of which is passed between the two uprights 16 of the head restraint to bring the cross-piece of member 22 against the front of the two uprights. The hook device has a rear member 24 which is slidably received in the channel-section stem of the T-shaped member 22 and a screw 26 extends through a slot 27 in the stem and through the rear member 24 to a nut 28 to fix the latter member in the required longitudinal position relative to the stem of member 22. The rear member 24 extends from a point intermediate the ends of a flat, upright portion 29 which presents a flat, rearwardly facing surface on which a hook 30 is formed. A coat etc may be hung directly on this hook 30, or a coat hanger 32 may be engaged over this hook, as shown in Figure 1.

It will be appreciated that the hook 30 is in a convenient position for readily and easily hanging up coats, jackets or other articles in the car or other vehicles. The hook device 20 is easy to fit in place and does not interfere with the driver's rear view.

CLAIMS

- 1) A hook device for hanging a coat or coat hanger in a car or other vehicle, comprising means for mounting the device by engagement with the uprights of a head restraint fitted to a seat of the car or other vehicle, and a hook on which a coat or coat hanger may be hung.
- 2) A hook device as claimed in claim 1, comprising a T-shaped element for passing between the uprights of the head restraint, with its cross-piece resting against the uprights to the front and its stem projecting to the rear and carrying said hook.
- 3) A hook device as claimed in claim 2, in which the hook is formed on a rear member which is slidably engaged with the stem of the T-shaped element.
- 4) A hook device as claimed in claim 3, in which the rear member comprises a flat portion having the hook formed on one side thereof, and a portion projecting from the other side of the flat portion and slidably engaged with said stem of the T-shaped element.
- 5) A hook device as claimed in claim 3 or 4, comprising a fixing screw passing through a slot in one of said stem and projecting portion and engaged in a hole in the other.

-1/2-

FIG. 1

SUBSTITUTE SHEET

-2/2-

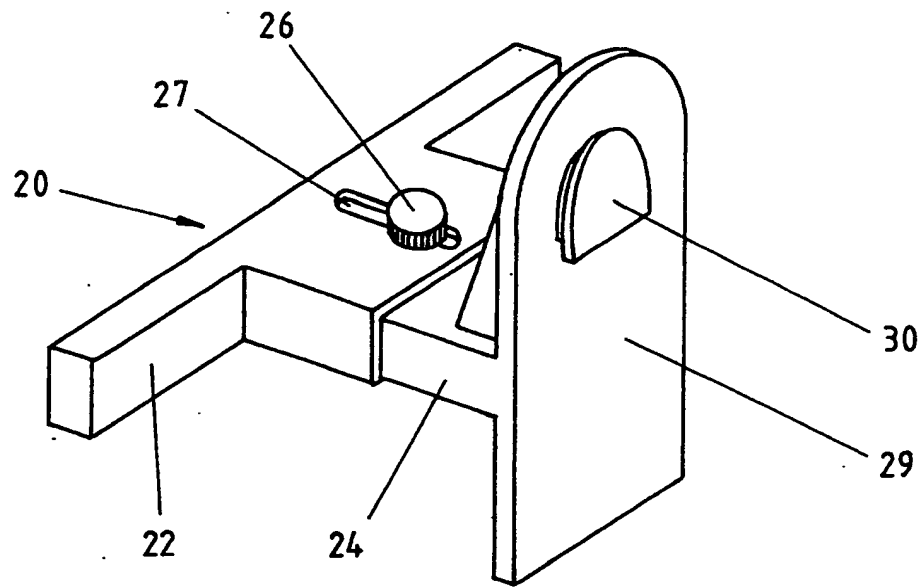


FIG. 2

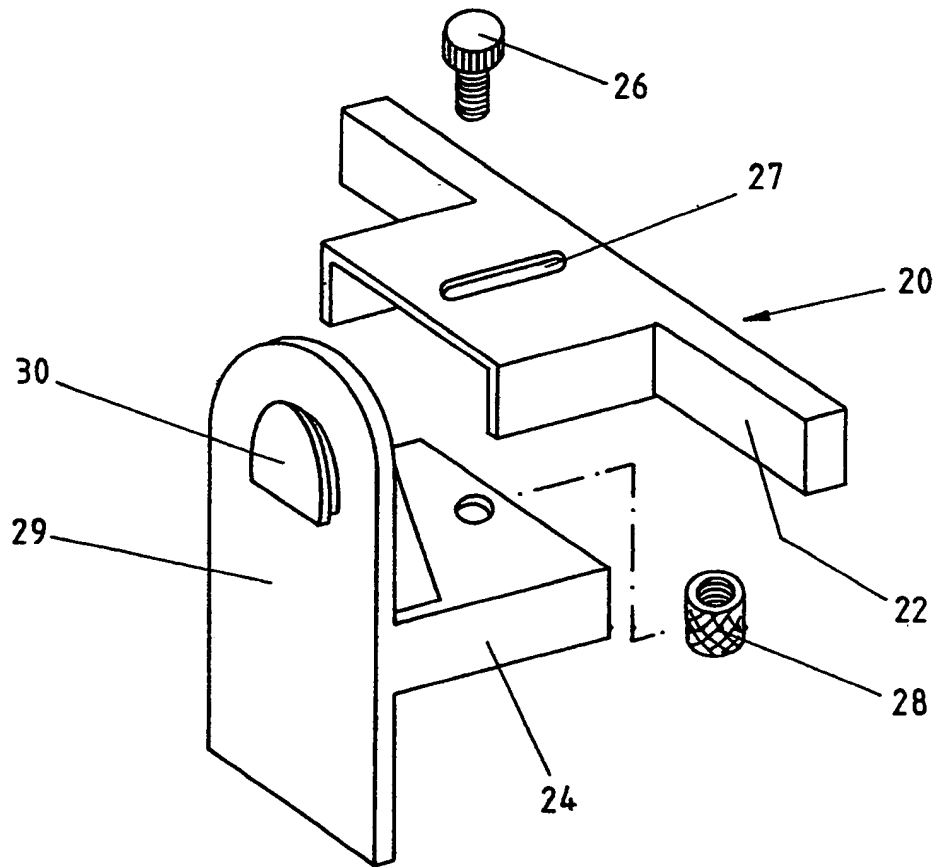



FIG. 3

SUBSTITUTE SHEET

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 90/01958

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, indicate all) ⁶		
According to International Patent Classification (IPC) or to both National Classification and IPC		
Int.Cl. 5 B60R7/10		
II. FIELDS SEARCHED		
Minimum Documentation Searched ⁷		
Classification System	Classification Symbols	
Int.Cl. 5	B60R	
Documentation Searched other than Minimum Documentation to the extent that such Documents are Included in the Fields Searched ⁸		
III. DOCUMENTS CONSIDERED TO BE RELEVANT⁹		
Category ¹⁰	Citation of Document, ¹¹ with indication, where appropriate, of the relevant passages ¹²	Relevant to Claim No. ¹³
Y	DE,A,2433984 (HAGLOF, BORJE, JOHANNESHOF) 06 February 1975 see figures 1-4	1
A	see page 1, line 1 - page 2, line 2 see page 5, line 1 - page 6, line 13	2
Y	DE,A,3628602 (APA GMBH + CO OTTO BAUDER) 03 March 1988 see figures 1-5 see column 2, lines 8 - 14 see column 4, line 53 - column 6, line 20	1
<p>¹⁰ Special categories of cited documents: - ¹⁰</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>		
IV. CERTIFICATION		
Date of the Actual Completion of the International Search	Date of Mailing of this International Search Report	
09 APRIL 1991	10.05.91	
International Searching Authority	Signature of Authorized Officer	
EUROPEAN PATENT OFFICE	D ¹ SYLVA C. 	

**ANNEX TO THE INTERNATIONAL SEARCH REPORT
ON INTERNATIONAL PATENT APPLICATION NO.**

GB 9001958

SA 43402

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report.
The members are as contained in the European Patent Office EDP file on

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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